Title of Project: *Applications of Deep Learning in Grading Kumon Worksheets*

You are invited to participate in a research study conducted by Raphael Tang, under the supervision of *Dr. Jimmy Lin* of the David R. Cheriton School of Computer Science of University of Waterloo, Canada. The objective of the research study is to develop an application for grading Kumon worksheets.

If you decide to volunteer, you will be asked to use our application to upload digital photographs of Kumon worksheets that your child has completed. You will need an Android smartphone to use the application. If you have a non-Android smartphone, you may choose to use the dropbox on our website instead. Participation in this study is voluntary. You may refuse to submit or send data at any time. There are no known or anticipated risks from participating in this study.

It is important for you to know that any information that you provide will be confidential. All of the data will be anonymized and no individual could be identified from these results. Furthermore, the website and application will not link the submitted data to any user profile you create on the application.

University of Waterloo practices are to turn off functions that collect machine identifiers such as IP addresses. We do not rely on any third-party services and have opted to develop our own application; thus, we do not collect any machine identifiers. If you prefer not to submit your survey responses through our application, please contact one of the researchers so you can participate using e-mail or paper-based questionnaire. The alternate method may decrease anonymity but confidentiality will be maintained.

If you wish to participate, please visit the study website at [insert url].

The data, with no personal identifiers, collected from this study will be maintained on a password-protected computer database in a restricted access area of the university. As well, the data will be electronically archived after completion of the study and maintained for two years and then erased. The processed summary of the data, which consist of only handwritten digits, will be released to the research community.

This study has been reviewed and received ethics clearance through a University of Waterloo Research Ethics Committee (ORE#XXXXX - insert your ORE file # here). If you have questions for the Committee contact the Chief Ethics Officer, Office of Research Ethics, at 1-519-888-4567 ext. 36005 or [ore-ceo@uwaterloo.ca](mailto:ore-ceo@uwaterloo.ca).

For all other questions about the study, please contact either Raphael Tang (r33tang@uwaterloo.ca) or Dr. Jimmy Lin (jimmylin@uwaterloo.ca). Further, if you would like to receive a copy of the results of this study, please contact either investigator.

Thank you for considering participation in this study.

**Consent to Participant**

With full knowledge of all foregoing, I agree, of my own free will, to participate in this study.

[ ] "I agree to participate."

[ ] "I do not wish to participate (please close your web browser now)."